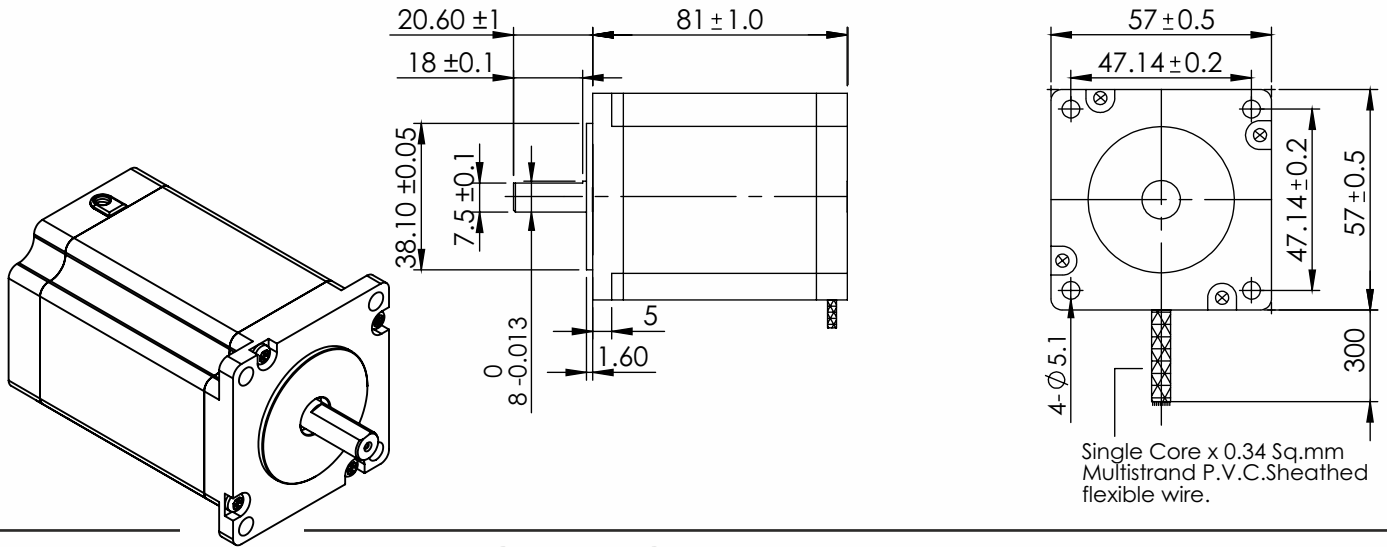


**SPECIFICATION SHEET**  
**Bholanath**

**STEPPER MOTOR**  
**BH 57 SH 81 - 2804 AF**  
**HIGH TORQUE HYBRID**



**TECHNICAL DATA**

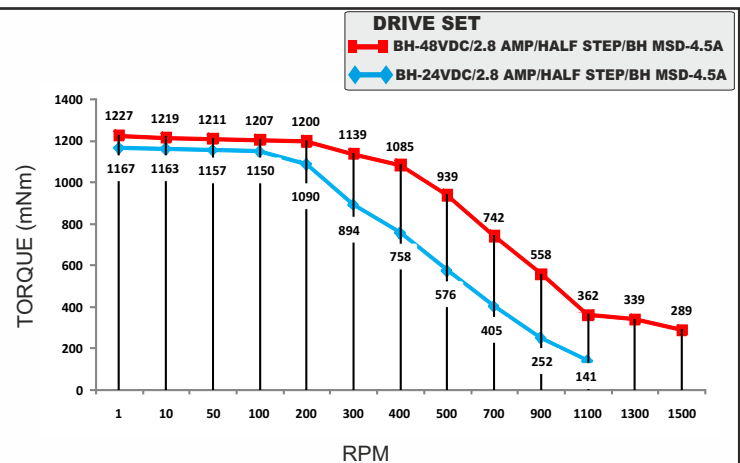
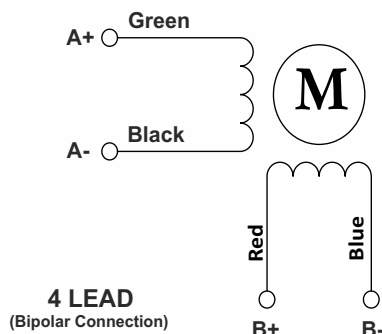
**CHARACTERISTICS**

|  |
|--|
| Step Angle - 1.8°  |
| Step Angle Accuracy - ± 3 Arc Minute                         |
| Insulation Class - H   |
| Ambient Temperature - - 20°C + 50°C                          |
| Temperature Rise - 80°C Max.<br>( Rated Current Phase 2 ON ) |
| Insulation Resistance<br>100 M Ohms Min.500 VDC              |
| Dielectric Strength<br>500 VAC For One Minute                |
| Shaft Radial Play<br>0.02 Max. Play ( 450 G Load )           |
| Shaft Axial Play<br>0.08 Max. Play ( 450 G Load )            |
| Max.Radial Force<br>75 N ( 20MM From Front Flange )          |
| Max.Axial Force<br>15 N                                      |

**SPECIFICATION BH57SH81 - 2804 AF**

|   | MODEL              | Bipolar           |         |
|---|--------------------|-------------------|---------|
| 1 | Rated Voltage      | V                 | 3.65    |
| 2 | Current / Phase    | A                 | 2.8     |
| 3 | Resistance / Phase | ± 10% Ω           | 1.3     |
| 4 | Inductance / Phase | ± 20% mH          | 4.9     |
| 5 | Holding Torque     | Nm                | 2.2     |
| 6 | Rotor Inertia      | G-CM <sup>2</sup> | 500     |
| 7 | Weight             | KG.               | 1.5     |
| 8 | No of Lead         | N <sup>0</sup>    | 4       |
| 9 | Operating Voltage  | VDC               | 24 - 48 |

**Wiring Diagram**



**MOTOR MODEL - BH57SH81-2804AF**



**Bholanath Precision Engineering Pvt.Ltd.**

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